PTO/SB/21 (09-04) Approved for use through 07/31/2006.
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/084,043 TRANSMITTAL Filing Date February 27, 2002 First Named Inventor **FORM** Joseph A. Kwak Art Unit 2616 **Examiner Name** Tsegaye, Saba (to be used for all correspondence after initial filing) Attornov Docket Number

Total Number of Pages in This Submission	
	ENCLOSURES (Check all that apply)
Fee Transmittal Form Fee Attached	Drawing(s) After Allowance Communication to TC Appeal Communication to Board of Appeals and Interferences
Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statemen Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.5	Petition Petition Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): Form PTO-1449, Copy of Form PTO-892.
gigi	I NATURE OF APPLICANT, ATTORNEY, OR AGENT
Firm Name VOLPE AND KOE	NIG, P.C.
Janting	A .
Printed name Thomas A. Mattio	
Date October 24, 2006	Reg. No. 56,773
I horoby godify that this accompany is to	CERTIFICATE OF TRANSMISSION/MAILING

Signature Date Typed or printed name October 24, 2006 Thomas A. Mattioli This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the

postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

the date shown below:

ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Joseph A. Kwak

Application No.: 10/084,043

Confirmation No.: 8075

Filed:

February 27, 2002

For: METHOD FOR PHYSICAL LAYER AUTOMATIC REPEAT REQUEST FOR A

BASE STATION

Group:

2616

Examiner:

Tsegaye, Saba

Our File:

I-2-0203.2US

Date:

October 24, 2006

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (*). Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counter part foreign application, and, to the knowledge of the person signing the certification, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was

Applicant: Joseph A. Kwak Application No.: 10/084,043

known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Joseph A. Kwak

Thomas A. Mattioli

 $Registration\ No.\ 56{,}773$

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

TAM/akg Enclosures (2)



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0203.2US

SERIAL NO. 10/084,043

APPLICANT Joseph A. Kwak

FILING DATE February 27, 2002 GROUP 2616

U.S. PATENT DOCUMENTS

		U.S. I AILINI	DOCOMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,912,705	03/1990	Paneth et al.			
	5,101,406	03/1992	Messenger			
	5,280,498	01/1994	Tymes et al.			
	5,345,439	09/1994	Marston			
	5,345,600	09/1994	Davidson			
	5,351,016	09/1994	Dent			
	5,544,196	08/1996	Tiedemann, Jr. et al.			
	5,570,369	10/1996	Jokinen			
	5,648,969	07/1997	Pasternak et al.			
	5,657,325	08/1997	Lou et al.			
	5,715,260	02/1998	Black et al.			
	5,729,557	03/1998	Gardner et al.			
	5,828,677	10/1998	Sayeed et al.			
	5,838,267	11/1998	Wang et al.			
	5,918,156	06/1999	Tanabe			
	5,946,320	08/1999	Decker			
	5,956,624	09/1999	Hunsinger et al.			
	5,982,760	11/1999	Chen			
	5,983,382	11/1999	Pauls			
	5,983,383	11/1999	Wolf			
	5,983,384	11/1999	Ross			
	6,021,124	02/2000	Haartsen			
<u> </u>	6,049,549	04/2000	Ganz et al.			
	6,064,692	05/2000	Chow			
	6,128,276	10/2000	Agee	1		
	6,130,918	10/2000	Humphrey et al			
	EXAMINER		DATE C	ONSIDERE	D	

	FORM PTO-1449		ATTY. DOCKET NO. I-2-0203.2US		SERIAL N 10/084,0	-
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT			APPLICANT Joseph A. Kwak			
			FILING DATE February 27, 2002	GROUP 2616		
(Use several sheets if necessary	<u>') </u>	<u></u>			
		U.S. PATENT	DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,134,694	10/2000	Uebayashi et al.			
	6,138,260	10/2000	Ketseoglou			· · ·
	6,145,108	11/2000	Ketseoglou			
	6,154,489	11/2000	Kleider et al.			
	6,189,123	02/2001	Anders Nystrom et al.			
	6,208,663	03/2001	Schramm et al.	1		
	6,212,240	04/2001	Scheibel, Jr. et al.	1		
	6,212,659	04/2001	Zehavi			-
	6,233,711	05/2001	Murayama et al.			
*	6,262,994	07/2001	Dirschedl et al.			
	6,272,183	08/2001	Berens et al.			
	6,275,488	08/2001	Cudak et al.			
	6,289,003	09/2001	Raitola et al.			
	6,308,294	10/2001	Ghosh et al.			
	6,317,418	11/2001	Raitola et al.			
	6,359,877	03/2002	Rathonyi et al.			
	2002/0037058	03/2002	Birru			
	6,366,601	04/2002	Ghosh et al.			
	6,370,669	04/2002	Eroz et al.			* u
	2002/0064167	05/2002	Khan et al.			
	6,449,246	09/2002	Barton et al.			
	6,470,391	10/2002	Takamoto et al.			
	2002/0191544	12/2002	Cheng et al.			
	6,522,650	02/2003	Yonge et al.			
	2003/0039226	02/2003	Kwak			

EXAMINER	DATE CONSIDERED

	FORM PTO-1449		ATTY. DOCKET NO. I-2-0203.2US		SERIAL N 10/084,0		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Joseph A. Kwak				
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 27, 2002	GROUP 2616			
<u></u>	(Use several sheets if necessary)						
		U.S. PATEN	DOCUMENTS	.	,		·
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF
	6,529,561	03/2003	Sipola				•
	6,587,985	07/2003	Fukushima et al.				
	6,647,076	11/2003	Schenk et al.				
	6,735,180	05/2004	Malkamaki et al.				
	6,760,860	07/2004	Fong et al.				
	6,931,569	08/2005	Fong et al.			-	
	2002/0034182	02/2002	Mallory				
	FO	REIGN PATE	ENT DOCUMENTS				
						TRANS	SLATION
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	1275279	02/1999	CN ¹			Х	
	1277766	12/2000	CN ²				Х
	1132772	01/2004	CN				
	07-336331	12/2005	JP			X**	
	2000-507777	06/2000	JP				Χ
	2001-103034	04/2001	JP			X**	
	2003/0004618	01/2003	KR				Х
	97118086	07/1999	RU				
	2179370	02/2002	RU				
	2195768	12/2002	RU				
	2195089	12/2002	RU				
	2001126714	07/2003	RU				
	2210864	08/2003	RU				
	2002101733	08/2003	RU				
	onds to WO 99/09698 ² corresponds to V	VO 99/12303		L			
** Abstra	ct Only						
	EXAMINER		DATE CO	NSIDERE	D		

FORM PTO-1449		ATTY. DOCKET NO. I-2-0203.2US					
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Joseph A. Kwak					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 27, 2002		GROUP 2616			
(Use several sheets if necessary)				<u> </u>			
, , , , , , , , , , , , , , , , , , , 	FC	HEIGN PATE	ENT DOCUMENTS	T	· · · · · · · · · · · · · · · · · · ·	TOME	ATION
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	2221338	01/2004	RU				
	2221339	01/2004	RU				
	2235432	08/2004	RU				
	- H-94-4						
				ļ			
							-
				<u></u>			
	OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinent Page	es, Etc.)			
	"Hybrid ARQ Methods for FDE) in Release in	n 2000," TSG-RAN Working Gro July 4-7, 2000.	oup 1 Meet	ing #14, O	ulu, Fir	ıland,
	"Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.						1-03),
	Rohling, Hermann et al. "Perfo an OFDM Communication S	ormance Com ystem", 1997	parison of Different Multiple Acc IEEE 47th Vehicular Technology p. 1368.	ess Schen Conferen	nes for the ce, May 19	Downl 997, vo	ink of I. 3,
	3GPP TR 25.848 V4.0.0 (200 Access Network; Physical lay	I-03), 3 rd Gen rer aspects of	eration Partnership Project; Tec UTRA High Speed Downlink Pa	hnical Speacket Acce	ecification (ss (Releas	Group F se 4), p.	Radio . 50.

EXAMINER	DATE CONSIDERED

10/085,187 Reexamination RWAK, JOSEPH	Page 1 of 1 Classification 370/465 370/465
Darmet 3. Ryman 2016	Classification 370/465
* A US-6,208,663 03-2001 Schramm et al. * B US-6,262,994 07-2001 Dirschedl et al. C US- CUS- D US- CUS- F US- CUS- F US- CUS- H US- CUS- C US-	370/465
* A US-6,208,663 03-2001 Schramm et al. * B US-6,262,994 07-2001 Dirschedl et al. C US- CUS- D US- CUS- F US- CUS- F US- CUS- H US- CUS- C US-	370/465
* B US-6,262,994 07-2001 Dirschedl et al. C US- D US- E US- F US- G US- H US-	
C US- D US- E US- F US- G US- H US-	370/465
D US- E US- F US- G US- H US-	
E US- F US- G US- H US-	
F US-	
. G US- . H US-	
· H US-	
US-	
1 00	
J US-	
κ US-	
L US-	
M US-	·
FOREIGN PATENT DOCUMENTS	
* Document Number Date Country Code-Number-Kind Code MM-YYYY Country Name	Classification
N .	
P RECEIVED	
Q	AM/PNI
SEP 05 2000	
NON-PATENT DOCUMENTS	DO.
* Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)	F.C.
include as applicable. Author, Title Date, Publisher, Edition of Volume, Pertinent Pages)	
	<u> </u>
, w	
	, , , ,

Application/Control No.

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Applicant(s)/Patent Under